Gut Reactions: Xenobiotics and the Microbiome Workshop Report London, UK 2024

Abbreviations

In this guide

In this guide

- 1. Gut Reactions Workshop
- 2. Background and Objectives
- 3. Workshop Overview
- 4. Introductions and aims of the day
- 5. Session I Interactions of the host-microbiome system
- 6. Session I Roundtable Summary
- 7. Session II Gut microbiome and xenobiotics
- 8. Session II Roundtable Summary
- 9. Session III Assessing the impact microbiome
- 10. <u>Session III Possible ways to evaluate in the short to medium term and</u> microbiome interventions for maintaining health and treating disease
- 11. Session III Roundtable Summary
- 12. Session IV Future Directions
- 13. Session IV Roundtable Summary
- 14. Concluding thoughts
- 15. Prioritisation of knowledge gaps and moving forward
- 16. <u>References: Gut Reactions</u>
- 17. Abbreviations: Gut Reactions

Abbreviations

Adverse Outcome PathwaysAOPAcceptable Daily IntakeADI

antimicrobial resistance	AMR
Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment	СОТ
Food Standards Agency	FSA
Faecal Microbiota Transplant	FMT
guidance for industry	GFI
Inflammatory bowel disease	IBD
Joint FAO/WHO Expert Committee on Food Additives	JECFA
Joint Meeting on Pesticide Residues	JMPR
microbiological Acceptable Daily Intake	mADI
no-observed adverse effect concentrations/levels	NOAEC/Ls
Quantitative PCR	qPC
ribosomal RNA	rRNA
Short chain fatty acids	SCFAs
T helper 17 cells	TH17
Ultra processed foods	UPF

Organizing Committee

Dr Olivia Osborne Ms Cath Mulholland Ms Sophy Orphanos

Acknowledgements

We wish to acknowledge the UK Food Standards Agency (UK FSA), the Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment (COT) and participants of the workshop to thank them for their contributions.

Disclaimer

The content of this article does not necessarily reflect the views of the Food Standards Agency or the Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment, nor should their endorsement of any of the content be inferred.

This article contains summaries of the presentations and discussions that took place in the workshop. As such, they represent the views of the authors, and no official endorsement from the participants, either as an individual or as the company/institution/agency that they represent.

COT Members

Professor Alan Boobis (Chair) Dr Stella Cochrane Dr James Coulson Dr Silvia Gratz Professor Thorhallur I. Halldorsson Professor Gary Hutchison Professor Gunter Kuhnle Dr David Lovell **Professor Shirley Price** Dr Mac Provan Dr Michael Routledge Dr Cheryl Scudamore Dr Natalie Thatcher Professor Mireille Toledano Dr Simon Wilkinson Professor Philippe Wilson **Professor Peter Barlow** Dr Steve Enoch Dr Alison Yeates Dr Meera Cush Mr Gordon Burton Dr Andreas Kolb Mr Nick Richardson **Dr Chris Morris Professor Maged Younes**

COT Secretariat

Ms Catherine Mulholland Ms Britta Gadeberg Dr Alexander Cooper Dr Barbara Doerr Ms Jocelyn Frimpong Manso Mr Barry Maycock Dr Olivia Osborne Ms Claire Potter Ms Sabrina Thomas Ms Chara Tsoulli Ms Frederique Uy Ms Sophy Orphanos Dr Gaetana Spedalieri Mr Thomas Hornsby Ms Gail Drummond Dr Emily Hudson Ms Natasha Adams Ms Abigail Smith Dr Katie Schulz Ms Katie Wetherall Dr Rachel Kerr Ms Polly Bevan Ms Alba Ureña Rusillo